

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of : Igor D. Polyakov) Art Unit: 1645
U.S. Appln. No. : 10/085,703) Examiner: Minnifield, Nita M.
Confirmation No. : 2400
U.S. Filing Date : February 28, 2002
Title of Invention : Dermatomycosis Vaccine
Attny. Docket No.: 3/400-4-C4

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

April 21, 2004

TRANSMITTAL LETTER FOR INFORMATION DISCLOSURE STATEMENT

Sir:

Transmitted herewith concerning the subject application is an Information Disclosure Statement (Form 1449A/B) under 37 C.F.R. §§1.56 and 1.97, as more specifically described hereinbelow.

☒ 1.97(b). This Statement is being filed: i) within three (3) months of the filing date of a national application other than a continued prosecution application under 37 C.F.R. §1.53 (d); ii) within three (3) months of the date of entry of the national stage as set forth in 37 C.F.R. §1.491 in an international application; iii) before the mailing of a first Office action on the merits; or iv) before the mailing of a first Office action after the filing of a request for continued examination under 37 C.F.R. §1.114.

☐ 1.97(c). This Statement is being filed after the time period specified in 37 C.F.R. §1.97(b), but before the mailing date of: i) a final action under 37 C.F.R. §1.113, ii) a notice of allowance under 37 C.F.R. §1.311, or iii) an action that otherwise closes prosecution in the application. This Statement is being accompanied by:

☐ A statement as specified in 37 C.F.R. §1.97(e) [see below]; or

☐ The fee set forth in 37 C.F.R. §1.17(p).

☐ The Commissioner is hereby authorized to charge payment of the \$180.00 fee set forth in 37 C.F.R. §1.17(p) to Deposit Account No.

☐ 1.97(d). This Statement is being filed after the period specified in 37 C.F.R. §1.97(c) but on or before payment of the issue fee. This Statement is accompanied by a statement as specified in 37 C.F.R. §1.97(e) [see below] and the fee set forth in 37 C.F.R. §1.17(p).

☐ 1.97(e).

☐ Each item of information contained in the instant information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to the filing of the instant information disclosure statement; or

☐ No item of information contained in the instant information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained in the instant information disclosure statement was known to any individual designated in 37 C.F.R. §1.56(c) more than three (3) months prior to the filing of the instant information disclosure statement.

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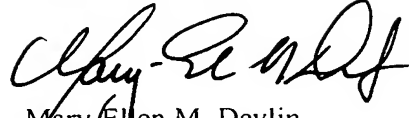
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☒ The Commissioner is hereby authorized to charge payment of any additional filing fees required under 37 C.F.R. §1.16 and any patent application processing fees under 37 C.F.R. §1.17, or credit any overpayment of same, to Deposit Account No. 02-2955.

Triplicate copies of this form are enclosed.

Respectfully submitted,



Mary-Ellen M. Devlin
Attorney for Applicant(s)
Reg. No. 27,928

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Boehringer Ingelheim Corp.
900 Ridgebury Road, P.O. Box 368
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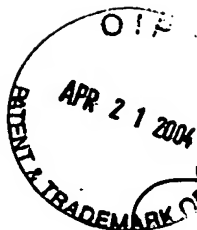
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Art Unit	1645
Examiner Name	Minnifield, Nita M.
Attorney Docket Number	3/400-4-C4

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 4,129,647	12/12/1978	Edmund Klein	
		US- 4,229,434	10/21/1980	Arutjun, K. et al	
		US- 4,657,761	04/21/1987	Cesar M. Pinto	
		US- 4,368,191	1/11/1983	Sarkisov et al	
		US- 5,277,904	1/11/1994	Pier, A	
		US- 5,284,652	2/8/1994	Pier	
		US- 6,428,789	8/6/2002	Stobel et al	
		US- 6,132,733	10/17/2000	Werner et al	
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		US- 6,290,950	9/18/2001	Poliakov et al	
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FOREIGN PATENT DOCUMENTS

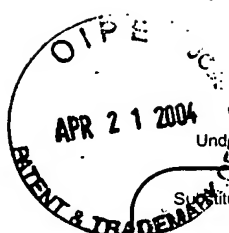
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		EP 0393371	10/24/1990	Jefferson Labs, Inc.		
		WO 9307894	4/29/1993	BI Vetmedica GmbH		

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		A.J. Chanis, Dissertation, J.R. Kovalenko Institute, Moskow (February 27, 1989)	
		E.L. Kenney and M. Huppert., "Immunization Against Superficial Fungous Infection", J. Invest. Derm., 32, pp. 7-13 (1959) ("Chanis")	
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		E. Ibragimov et al., "Investigation of the immunogenic and curative features of a formaldehyde vaccine against ringworm in cattle", Usbek Veterinary Research Institute XXX Part 1 Taskent (USSR) (1980) ("Ibranimov")	
		K. Wawrzkievicz et al., "Szczepionka Inaktywowana w Profilaktyce i Leczeniu Grzybicy Skornej Bydla", Medycyna Weterynaryjna, 44(11), pp. 648-651 (1988) ("Wawrzkievicz-Medycyna")	

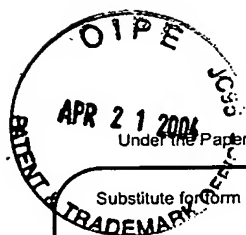
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Attorney Docket Number	3/400-4-C4

NON PATENT LITERATURE DOCUMENTS

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		CAB International Abstract No. 92290473 (1989) ("CAB Abstract")	
		T. Kocik, "Proba Oceny Wartosci Immunogennych Szczepionek Zywych i Zabitych Przeciwno Trychofitozie Dla Swinek Morskich I Mlodego Bydla", Polskie Archivum Weterynaryjne, 23(3), pp. 95-107 (1982)	
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		A.K. Sarkisov et al., "Specific Prophylaxis of Trichophytosis in Animals", Mikol. Fitopatol., 19(1), pp. 51-57 (1985)**	
		W. Wawrzkievicz et al., "An Inactivated Vaccine Against Ringworm", Comp. Immu. Microbiol. Infect. Dis., 15(1), pp. 31-40 (1992)**	
		C.L. Mosher et al., "Treatment of Ringworm (Microsporum canis) with Inactivated Fungal Vaccine", Vet. Med., pp. 1343-45 (August 1977)**	
		R. Gudding et al., "Vaccination of Cattle Against Ringworm Caused by Trichophyton verrucosum", Am. J. Vet. Res., 47(11), pp. 2415-17 (1986)**	

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		Polyakov et al., "Clinical Manifestations of Dermatomycosis induced...", Byulleten Vsesoyuznogo Instituta Experimental noi Vet., 65, pp. 43-45 (1988)**	
		Sarkisov et al., "Dermatomycosis of Camels and Biological Properties of the Causal Agent", Veterinariya (Moskva), 10, pp. 31-35 (1989)**	
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		Segal, "Immunization Against Fungal Diseases in Man and Animal" in Handbook of Applied Mycology, Vol. 2, pp. 341-68 (1991)**	
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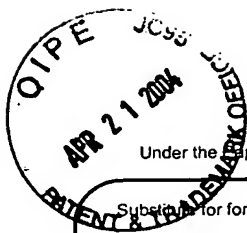
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		DOUPARINOVA, M. ET AL; Epidemiological aspects of ringworm in calves on large farms; Central Vet. Res. Inst. (1978) Vol. 15 No. 1 pages 74-77	
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		J.M.B. SMITH ET AL; Strategies for the development of a vaccine against ringworm; Journal of Medical and Veterinary Mycology (1995) Vol. 33 pages 87-91	

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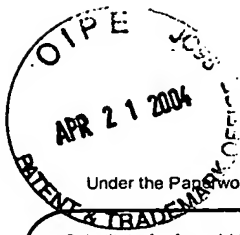
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		A. RYBNIKAR ET AL; Vaccination of Horses Against Trichophytosis; ACTA Vet Brno (1991) Vol. 60 pages 165-169	
		A. RYBNIKAR ET AL; Immunity in cattle vaccinated against ringworm; Mycoses (1991) Vol. 34 pages 433-436	
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		KAREN A. MORIELLO ET AL; Feline Dermatophytosis; Feline Dermatology (1995) Vol. 25 No. 4 pages 901-921	
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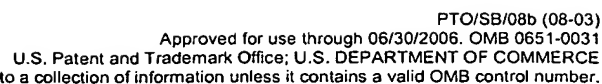
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